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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
Attorney Docket No. 111987.122US2

Applicant: Koren, Dov  
Serial No. 09/998,517  
Filed: November 29, 2001  
Title: Scalable, Flexible, Real-Time Display Method and Apparatus

BOX MISSING PARTS  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**Preliminary Amendment, Response to Notice to File Missing Parts of Nonprovisional**  
**Application and Request for Extension to File same**

Sir:

This Amendment is filed in response to a December 17, 2001 Notice to File Missing Parts of Nonprovisional Application. A response to the aforementioned notice is due on July 17, 2002.

Please amend the application as follows:

**In the Specification:**

On page 7, line 28, delete "FIGS. 43A-J" and substitute -- FIGS. 43A-I -- therefor.  
On page 39, line 1, delete "FIGS. 43E-J" and substitute -- FIGS. 43E-I -- therefor.  
On page 39 line 14, delete "FIG. 43J" and substitute -- FIG. 43I -- therefor.

**In the Drawings:**

In the drawing labeled 43J, change in "43J" to --43I--.

**REMARKS**

Applicant has amended the specification and drawings to correct an obvious error in the numbering of the drawings. Specifically, Figure No. 43J as originally filed should have been labeled "43I". References in the specification to "43J" have accordingly been changed to "43I".



Changes to the drawings are marked in Red as attached. Applicant states that these amendments do not present an issue of new matter and requests that they be entered. Also submitted herewith are formal drawings for this application.

Applicant hereby submits an oath and declaration signed by the inventor. The Commissioner is hereby authorized to charge the amount of the \$65.00 to Deposit Account Number 08-0219 for the late submission of the Oath and Declaration submitted herewith.

Applicant hereby requests a five month extension of time until July 17, 2002 to respond to the notice to file missing parts. The Commissioner is hereby authorized to charge the amount of the \$980.00 to Deposit Account Number 08-0219 for the extension of time.

No other fee is deemed necessary for the filing of this Amendment. The Commissioner is also hereby authorized to charge any other fee(s) required to maintain the pendency of this application, or to credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: July 17, 2002

A handwritten signature in cursive script, appearing to read "Rajesh Vallabh".

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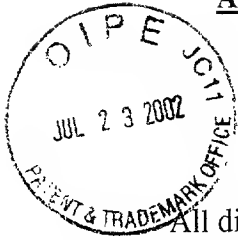
Amended Paragraphs for Page 38, lines 26-30, Page 39, line 1 -10, and

Page 39, lines 11-14 of the Specification

(CLEAN FORM)

All displayed regular columns can become virtual. FIG. 43C illustrates a table 4330 with a 'V' control 4332 in a table headers, which were for example activated by using control actuation button 600. Activating the 'V' control in column C will remove this column from the table 4330, resulting in table 4340 as shown in FIG. 43D, although the column is still available for all purpose in the virtual column database 4315. The use of the virtual columns is illustrated in FIGS. 43E-I. The column M is added, as a result of user selection, as a proxy column to the table 4350 (FIG 43E) from the virtual column database 4315. The resulting table 4360 is shown in FIG. 43F, where 4365 represents a proxy column M. (Note that the content of the proxy column is not displayed, whereas the content is displayed when the virtual column is selected as real column, and therefore added to a table, as in FIG 43B.) Sorting table 4360 by ascending value content of column M (which has values of 125 or row 1, 175 for row 2, and 100 for row 3 as shown in column content 4366) by activating a sort ascending control 4367 in the proxy column header results in the table 4370 shown in FIG. 43G, where control 4367A is visually marked.

Activating a graph control 4360 in proxy column for 4365 in a table 4360 results in table 4380, where control 4368A is visually marked and graph 4385 is shown in FIG 43H. Activating an 'R' control 4369 in proxy column 4365 in table 4360 will make the column a regular column M in table 4390, as illustrated in 43I.



Amended Paragraphs for Page 38, lines 26-30, Page 39, line 1 -10, and

Page 39, lines 11-14 of the Specification

(MARKED TO SHOW CHANGES)

All displayed regular columns can become virtual. FIG. 43C illustrates a table 4330 with a 'V' control 4332 in a table headers, which were for example activated by using control actuation button 600. Activating the 'V' control in column C will remove this column from the table 4330, resulting in table 4340 as shown in FIG. 43D, although the column is still available for all purpose in the virtual column database 4315. The use of the virtual columns is illustrated in FIGS. [43E-J] 43E-I. The column M is added, as a result of user selection, as a proxy column to the table 4350 (FIG 43E) from the virtual column database 4315. The resulting table 4360 is shown in FIG. 43F, where 4365 represents a proxy column M. (Note that the content of the proxy column is not displayed, whereas the content is displayed when the virtual column is selected as real column, and therefore added to a table, as in FIG 43B.) Sorting table 4360 by ascending value content of column M (which has values of 125 or row 1, 175 for row 2, and 100 for row 3 as shown in column content 4366) by activating a sort ascending control 4367 in the proxy column header results in the table 4370 shown in FIG. 43G, where control 4367A is visually marked.

Activating a graph control 4360 in proxy column for 4365 in a table 4360 results in table 4380, where control 4368A is visually marked and graph 4385 is shown in FIG 43H. Activating an 'R' control 4369 in proxy column 4365 in table 4360 will make the column a regular column M in table 4390, as illustrated in [43J] 43I.

**Amended Paragraph for Page 7, line 28 of the Specification**  
**(CLEAN FORM)**

FIGS. 43A-I are diagrams showing a virtual column operations in table;

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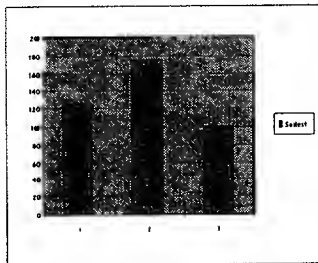
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A	B	C	D
Text1	1100	200	150
Text2	500	100	200
Text3	1100	300	450
TOTAL	2700	600	800

4380

FIG. 43H



4385

A	B	C	D	M
Text1	1100	200	150	125
Text2	500	100	200	175
Text3	1100	300	450	100
TOTAL	2700	600	800	400

4390

~~FIG. 43J~~

FIG. 43I  
(AMENDED)